

AMENDMENTS

Amendments to the Specification:

Please delete the paragraph beginning on page 6, line 6:

~~Fig. 6a and Fig 6b are, respectively, a schematic representation of a cross section along a long axis of a first embodiment of an elongated pixel according to the present invention and a transverse cross section thereof.~~

Please replace the paragraph beginning on page 8, lines 27, with the following amended paragraph:

The pixel structure described above with relation to Fig. 1 may be used to form a new structure, as represented in Fig. 2, which in fact places next to each other two or more of the pixel structures as described with relation to Fig. 1. This new structure may be used to divert the generated photocharge toward different collection bins in very short time spans. This feature is useful to switch on or off the photodetection as a function of time, which may be used for laser time domain reflectometry, to measure the time delay of a reflected laser light pulse. This short switching time would not be possible if charge were [[to]] stored at intermediate positions.